

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/085099 A1

(51) International Patent Classification⁷: **B65D 90/02**

(21) International Application Number:
PCT/FI2005/050054

(22) International Filing Date: 1 March 2005 (01.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20040382 10 March 2004 (10.03.2004) FI

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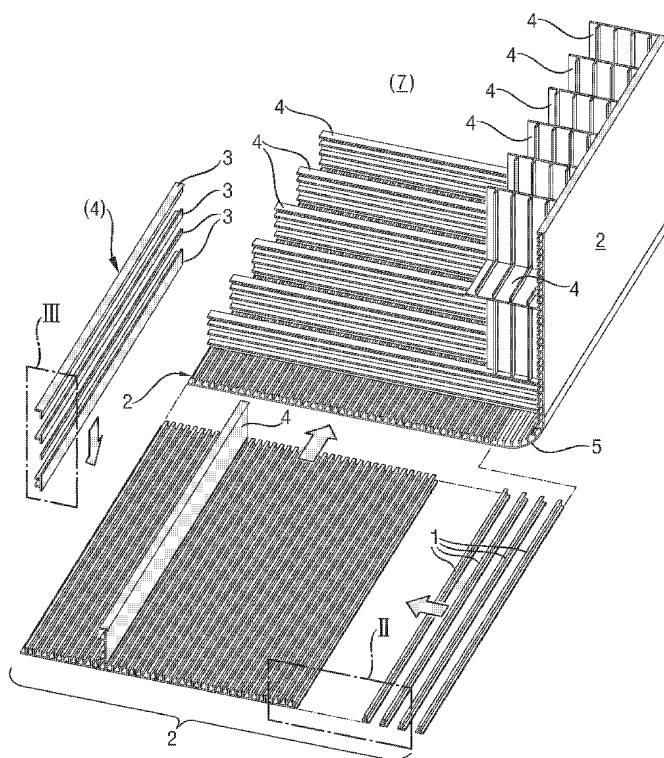
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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: A METHOD OF PLANNING AND MANUFACTURING AN LNG STORAGE TANK OR THE LIKE AND AN ALU-
MINIUM LNG STORAGE TANK MANUFACTURED USING THE METHOD



(57) Abstract: A method of manufacturing a tank
suitable for storing very cold cryogenic liquids,
such as liquefied ethylene (LEG) or natural gas
(LNG) or a corresponding medium, the basic form
of the tank corresponding to a rectangular prism
and being manufactured from aluminium or the like
material. The tank is produced at least mainly from
prefabricated construction elements of few different
types so that plane elements (2) to be used as shell
panels of the tank, the elements being produced by
mechanically extruding aluminium profile elements
(1) or the like, are produced, the elements including
a plane part (1 a) and a stiffening part (1b) and
which are welded by their plane parts (1 a) to each
other using friction welding. The plane elements
(2) produced thus are provided with longitudinal
and/or transverse stiffeners (4) being produced by
mechanically extruding aluminium profile elements
(3) or the like, which are welded to each other by
using friction welding. The plane elements (2) having
stiffeners (4) produced thus are attached to each other
and/or to separately produced edge (5) and/or corner
elements (6) into self-supporting volume units (7)
having at least four sides.

WO 2005/085099 A1

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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